

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/NL 03/00833

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H03F1/32

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/08294 A (DATUM TELEGRAPHIC INC) 1 February 2001 (2001-02-01) page 32, line 4 - page 38, line 28; figure 1 -----	1,2, 11-15
X	US 2003/179831 A1 (GUPTA DEEPNARAYAN ET AL) 25 September 2003 (2003-09-25) paragraph '0039! - paragraph '0046!; figures 3-5 -----	1-3, 11-15
X	US 5 489 875 A (CAVERS JAMES K) 6 February 1996 (1996-02-06) figures 1,3 -----	1,11-14

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

1 July 2004

Date of mailing of the international search report

09/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Dietsche, S

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/NL 03/00833

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0108294	A	01-02-2001	US 6697436 B1 AU 5840500 A AU 5840800 A AU 6009300 A AU 6009400 A AU 6309300 A EP 1205024 A1 EP 1203444 A1 EP 1196986 A2 EP 1203445 A1 EP 1196988 A1 EP 1280273 A2 WO 0108294 A1 WO 0108295 A1 WO 0108296 A1 WO 0105026 A1 WO 0108297 A1 US 6587514 B1 US 6356146 B1 US 6342810 B1 US 2002008578 A1 US 2002044014 A1 US 2001050592 A1	24-02-2004 13-02-2001 13-02-2001 13-02-2001 30-01-2001 13-02-2001 15-05-2002 08-05-2002 17-04-2002 08-05-2002 17-04-2002 29-01-2003 01-02-2001 01-02-2001 01-02-2001 18-01-2001 01-02-2001 01-07-2003 12-03-2002 29-01-2002 24-01-2002 18-04-2002 13-12-2001
US 2003179831	A1	25-09-2003	NONE	
US 5489875	A	06-02-1996	NONE	